

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

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**Device Specifications:**

Device Type: Audio Processor  
Manufacturer: ClearOne  
Firmware Version: 2.5.0  
Model(s): XAP800

**Version History:**

Driver Version	Date	IP Link Compiler	GC Version	Notes
7	2/15/2013	1.5.1	3.3.2	Modify feedback parsing.
6	01/10/2013	1.5.1	3.3.2	Updated driver to most current A/V conference standards.
5	11/11/2010	1.4.0	3.0.4	Extron Certified. Tested on XAP800. Added input mute, output mute, process mute, microphone mute, and line mutes and their status. Updated driver to current standards.
4	6/14/10	1.4.0	3.0.3	Extron Certified. No functionality changes. Revised comm sheet.
3	06/12/07	1.3.11.1	2.2.1	Extron Certified. tested on XAP800. Added Macro Recall, Bus Gain, Bus Gain Up/Down
2	04/17/06	1.0.9.3	2.1	Extron Certified, tested on XAP800
1	05/20/05	1.0.9.3	1.6	Extron Certified, tested on XAP800

**Driver Notes:**

- Default Device ID is set to 0.
- For MLC62 control, ClearOne Device ID must be set to 0.
- This driver includes Volume Optimization.
- Flow control must be set to "Off" on the ClearOne XAP800 unit

# IP Link® Device Interface Communication Sheet

## Control Commands & States:

<b>Device ID</b>	0 – 7	All
<b>Fader 1 - 4 Level</b>	-65 to 20 in steps of 1	
<b>Input 1-12 Level</b>	-65 to 20 in steps of 1	
<b>Input 1-12 Level (Step)</b>	Up	Down
<b>Macro</b>	1 – 255	
<b>Master Mute</b>	On	Off
<b>Mic 1-8 (Discrete)</b>	-65 to 20 in steps of 1	
<b>Mic 1 - 8 (Step)</b>	Up	Down
<b>Mic 1 - 8 Mute</b>	On	Off
<b>Mute Fader 1 - 4</b>	On	Off
<b>Mute Input 1-12</b>	On	Off
<b>Mute Output 1 – 12</b>	On	Off
<b>Mute Process A - H</b>	On	Off
<b>Output 1 - 12 Level</b>	-65 to 20 in steps of 1	
<b>Output 1 – 12 Level (Step)</b>	Up	Down
<b>Preset</b>	1 – 8	
<b>Process A - H Level</b>	-65 to 20 in steps of 1	
<b>Process A - H Level (Step)</b>	Up	Down

# IP Link® Device Interface Communication Sheet

## Status Available:

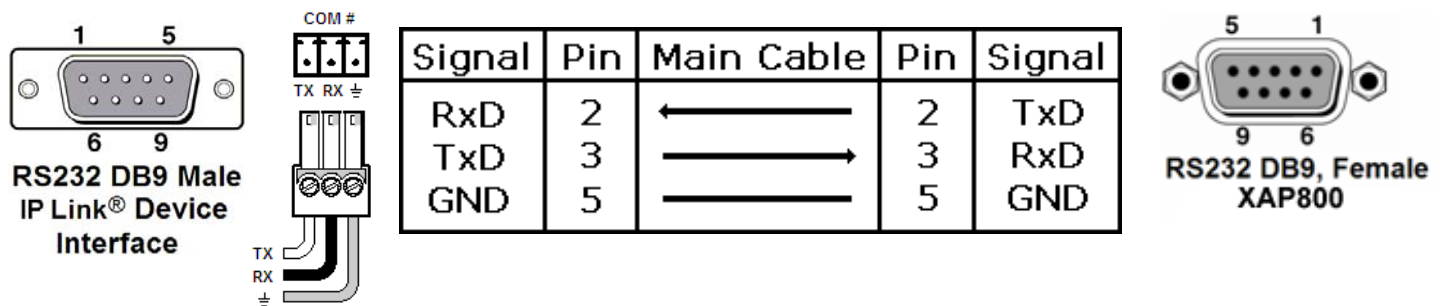
Connection Status	Connected	Disconnected
Fader 1 - 4 Level	-65 to 20 in steps of 1	
Input 1-12 Level	-65 to 20 in steps of 1	
Master Mute	On	Off
Mic 1-8 (Discrete)	-65 to 20 in steps of 1	
Mic 1 - 8 Mute	On	Off
Mute Fader 1 - 4	On	Off
Mute Input 1-12	On	Off
Mute Output 1 - 12	On	Off
Mute Process A - H	On	Off
Output 1 - 12 Level	-65 to 20 in steps of 1	
Process A - H Level	-65 to 20 in steps of 1	

## MLC60 Series Supported Commands:

Input 1 - 12 Level (Step)	Up	Down
Macro	1 – 255	
Master Mute	On	Off
Mic 1-8 Mute	On	Off
Mic 1-8 (Step)	Up	Down
Mute Fader 1-4	On	Off
Mute Input 1 – 12	On	Off
Mute Output 1 – 12	On	Off
Mute Process A – H	On	Off
Output 1 - 12 Level (Step)	Up	Down
Preset	1 – 32	
Process A - H Level (Step)	Up	Down

**Cable and Adapter Requirements:**

M/F RS-232 Straight Cable (Extron Electronics P/N 26-433-XX)

**Notes for the Device:****Serial communication:****Port Type:** RS-232**Baud Rate:** 38400**Data Bits:** 8**Parity:** None**Stop Bits:** 1**Flow Control:** None**Pin Assignments Diagram:**

Note: Captive screw connector may also be used as a serial connection. It may be necessary to short pins 7 and 8 on the XAP 800 side.

**General Notes:**